

CLAIMS

1. Headset for bicycles, cycles and the like of the type comprising, in a one-piece cartridge, a bearing assembly (3) inserted between an outer cup (2) and an inner cup (4), the outer cup bearing against the interior wall of a bore in the head tube, characterized in that it comprises, as one piece, said cartridge including a floating reinforced seal, on which there is positioned a ring which itself on the outside has a seal bearing against the outer cup, said ring being in contact with the inner cup of the cartridge, the ring housing, in its upper part, an O-ring and a compression ring in order to give compression stresses.
- 15
2. Headset according to Claim 1, characterized in that the outer cup is designed on its interior wall (2d) to have a cut-out (2f) allowing a profiled seal (5) to float and housing an insert (6) to compensate for misalignment of the contact regions.
- 20
3. Headset according to either one of Claims 1 and 2, characterized in that the outer cup comprises a cylindrical wall (2a) force-fitting into the head tube, continued in the upper part by a horizontal part (2b) forming a flange and by a conical lower wall (2c) directed inwards and forming the seat for the bearings.
- 25
4. Headset according to either one of Claims 1 and 3, characterized in that the inner cup (4) has a conical profile (4a) with a bottom part (4b) and a vertical straight wall (4e), the upper end (4d) having a cut (4e), the upper plane (4f) of the cup adjacent to said cut being straight and horizontal and exhibiting a nose (4g) on which the seal (5) rests.
- 30
- 35
5. Headset according to Claim 2, characterized in that the seal (5) is mounted to float in the cut-out (2f) formed on the profile of the outer cup and in that

the cut-out (2f) is made over part of the height of the wall of said outer cup over a distance greater than the thickness of the seal which is mounted and positioned by clipping, said seal being mounted in the cut-out
5 (2f) while being held in place with the nose part forming a stop.

6. Headset according to Claim 5, characterized in that the seal has an insert.

10

7. Headset according to Claim 6, characterized in that the inset is made of brass.

15

8. Headset for bicycles, cycles and the like of the type comprising, in a one-piece cartridge, a bearing assembly (3) inserted between an outer cup (2) and an inner cup (4), the outer cup bearing against the interior wall of a bore in the head tube, characterized in that it comprises, as one piece, said cartridge
20 including a floating reinforced seal, on which there is positioned a ring which itself on the outside has a seal bearing against the outer cup, said ring being in contact with the inner cup of the cartridge.